

HEAT EXCHANGERS AND FINS FOR HEAT EXCHANGERS AND
METHODS FOR MANUFACTURING THE SAME

ABSTRACT OF THE DISCLOSURE

5 A method for manufacturing a fin for a heat exchanger includes the steps of
forming an intermediate pre-formed plate, which has adjacent zigzag strips, by passing a flat
plate material between a pair of first processing rollers, and forming a fin by passing the
intermediate pre-formed plate between a pair of second processing rollers to bend the zigzag
strips at a portion connecting adjacent zigzag strips. The fin includes a plurality of waving strips
10 arranged adjacent to each other in the transverse direction, which are offset in the longitudinal
direction. The adjacent waving strips are connected only between the flat portions of the waving
strips at a connection length less than or equal to a plate thickness. The fin may be manufactured
readily and inexpensively. A heat exchanger using the fin as an inner or outer fin may exhibit
superior performance.

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